



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- Shell Plating : Nickel
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered without Souriau contacts
- Temperature Range : -65°C to +200°C
- Salt Spray : 500 hours

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.25±0.2      |
| PP                  | 4.93±0.2      |
| R1                  | 26.97         |
| R2                  | 24.61         |
| S                   | 33.3±0.3      |
| V                   | 20.83+0/-1.25 |
| W                   | 2.1/2.5       |
| Z                   | 31.5 Max      |
| VV THREAD           | M25x1-6g      |

SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

| Country | Jurisdiction & Control List |
|---------|-----------------------------|
| FR      | Not Listed                  |

**PN: 8D017S20SEL**

|                |   |                                |   |
|----------------|---|--------------------------------|---|
| B              | 11-04-17                                    | Drawing Update                 |   |
| ISS            | DATE  | Latest modification - by       | MOD N°  |
| Designed By:   |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Stainless Steel Receptacle 8D series</b> |                                |   |
| SCALE          | NA  | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>A3</b>                                   |                                | SOURIAU DRG N°<br><b>8D017S20SEL-C</b>  |
|                |   |                                | SHEET<br>1/2  |

|                |                          |   |   |    |   |    |   |   |   |                                    |
|----------------|--------------------------|---|---|----|---|----|---|---|---|------------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 17 | S | 20 | S | E | L | Delivered W/O Contacts             |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |   |   |   | ORIENTATION : E                    |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |   |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| SHELL SIZE :   | 17                       |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 17-20             |
| PLATING :      | S = Nickel               |   |   |    |   |    |   |   |   |                                    |

Contact Layout

20\*



4#12  
16#22D

| 17-20 |       |       |
|-------|-------|-------|
| Ctc   | X     | Y     |
| A     | 0     | 5.51  |
| B     | 3.17  | 0     |
| C     | 0     | -5.51 |
| D     | -3.17 | 0     |
| 1     | 4.16  | 7.06  |
| 2     | 4.29  | 4.29  |
| 3     | 7.11  | 4.03  |
| 4     | 8.05  | 1.4   |
| 5     | 8.05  | -1.4  |
| 6     | 7.11  | -4.03 |
| 7     | 4.29  | -4.29 |
| 8     | 4.16  | -7.06 |
| 9     | -4.16 | -7.06 |
| 10    | -4.29 | -4.29 |
| 11    | -7.11 | -4.03 |
| 12    | -8.05 | -1.4  |
| 13    | -8.05 | 1.4   |
| 14    | -7.11 | 4.03  |
| 15    | -4.29 | 4.29  |
| 16    | -4.16 | 7.06  |

Panel Cutout



Max. thickness panel for receptacle: Type 0: front mounting = 3.2 mm, rear mounting = 2.5 mm

| Dim | Nominal    |
|-----|------------|
| ØA  | 30.96 min  |
| ØAA | 25.81 min  |
| R1  | 26.97      |
| ØT  | 3.25 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D017S20SEL-C</b>         |                            | SHEET 2/2   |